

10/028, 827  
~~10/205, 847~~

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Feb 24	PCTGEN now available on STN
NEWS 4	Feb 24	TEMA now available on STN
NEWS 5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 6	Feb 26	PCTFULL now contains images
NEWS 7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8	Mar 24	PATDPAFULL now available on STN
NEWS 9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 10	Apr 11	Display formats in DGENE enhanced
NEWS 11	Apr 14	MEDLINE Reload
NEWS 12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15	Apr 28	RDISCLOSURE now available on STN
NEWS 16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19	May 19	Simultaneous left and right truncation added to WSCA
NEWS 20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS 22	Jun 06	PASCAL enhanced with additional data
NEWS 23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS 24	Jun 25	HSDB has been reloaded
NEWS 25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS 26	Jul 21	Identification of STN records implemented
NEWS 27	Jul 21	Polymer class term count added to REGISTRY
NEWS 28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS EXPRESS	April 4	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
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=> file patent

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SESSION

FULL ESTIMATED COST

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FILE 'PAPERCHEM2' ENTERED AT 17:24:06 ON 01 AUG 2003

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FILE 'PATOSWO' ENTERED AT 17:24:06 ON 01 AUG 2003  
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FILE 'PCTFULL' ENTERED AT 17:24:06 ON 01 AUG 2003  
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COPYRIGHT (C) 2003 Pira International

FILE 'RAPRA' ENTERED AT 17:24:06 ON 01 AUG 2003  
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FILE 'TULSA2' ENTERED AT 17:24:06 ON 01 AUG 2003  
COPYRIGHT (C) 2003 The University of Tulsa (UTULSA)

FILE 'USPATFULL' ENTERED AT 17:24:06 ON 01 AUG 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 17:24:06 ON 01 AUG 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 17:24:06 ON 01 AUG 2003  
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> fsearch ep524638/pn

SEA EP524638/PN  
L1 7 EP524638/PN

FSE  
\*\*\* ITERATION 1 \*\*\*

10/205,847

SET SMARTSELECT ON  
SET COMMAND COMPLETED

SET HIGHLIGHTING OFF  
SET COMMAND COMPLETED

SEL L1 1- PN,APPS  
L2 SEL L1 1- PN APPS : 14 TERMS

SEA L2  
'APPS' IS NOT A VALID FIELD CODE  
'APPS' IS NOT A VALID FIELD CODE  
20 FILES SEARCHED...  
'APPS' IS NOT A VALID FIELD CODE  
'APPS' IS NOT A VALID FIELD CODE  
L3 19 L2

\*\*\* ITERATION 2 \*\*\*

SEL L3 1- PN,APPS  
L2 SEL L1 1- PN APPS : 15 TERMS

SEA L2  
'APPS' IS NOT A VALID FIELD CODE  
'APPS' IS NOT A VALID FIELD CODE  
'APPS' IS NOT A VALID FIELD CODE  
'APPS' IS NOT A VALID FIELD CODE  
L3 19 L2

FSORT L3  
L4 19 FSO L3  
1 Multi-record Family Answers 1-19  
0 Individual Records  
0 Non-patent Records

SET SMARTSELECT OFF  
SET COMMAND COMPLETED

SET HIGHLIGHTING DEF  
SET COMMAND COMPLETED

=> d 1-19 ti

L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2003 ACS on STN FAMILY 1  
TI Process for the preparation of fluorinated primary and secondary alcohols

L4 ANSWER 2 OF 19 DPCI COPYRIGHT 2003 THOMSON DERWENT on STN FAMILY 1  
TI Prim. and sec. fluoro-alcohol cpds. prodn. in high yield - by heating  
alkanol before continuously dosing per fluoro-alkyl-ethylene and free  
radical initiator.

L4 ANSWER 3 OF 19 EUROPATFULL COPYRIGHT 2003 WILA on STN FAMILY 1  
TIEN Process for the preparation of fluorinated primary and secondary  
alcohols.  
TIEN Process for the preparation of fluorinated primary and secondary  
alcohols.

L4 ANSWER 4 OF 19 IFIPAT COPYRIGHT 2003 IFI on STN FAMILY 1  
TI PROCESS FOR THE PREPARATION OF PRIMARY AND SECONDARY FLUORINE-CONTAINING  
ALCOHOLS

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L4	ANSWER 5 OF 19	INPADOC	COPYRIGHT 2003 EPO on STN FAMILY	DUPLICATE 1
L4	ANSWER 6 OF 19	INPADOC	COPYRIGHT 2003 EPO on STN FAMILY	DUPLICATE 1
TI	PROCESS FOR THE PREPARATION OF PRIMARY AND SECONDARY FLUORINE-CONTAINING ALCOHOLS			
L4	ANSWER 7 OF 19	INPADOC	COPYRIGHT 2003 EPO on STN FAMILY	DUPLICATE 1
TI	VERFAHREN ZUR HERSTELLUNG VON PRIMAEREN UND SEKUNDAEREN FLUORHALTIGEN ALKOHOLEN			
L4	ANSWER 8 OF 19	INPADOC	COPYRIGHT 2003 EPO on STN FAMILY	DUPLICATE 1
TI	PROCESS FOR THE PREPARATION OF PRIMARY AND SECONDARY FLUORINE-CONTAINING ALCOHOLS			
L4	ANSWER 9 OF 19	INPADOC	COPYRIGHT 2003 EPO on STN FAMILY	DUPLICATE 1
TI	VERFAHREN ZUR HERSTELLUNG VON PRIMAEREN UND SEKUNDAEREN FLUORHALTIGEN ALKOHOLEN			
L4	ANSWER 10 OF 19	INPADOC	COPYRIGHT 2003 EPO on STN FAMILY	DUPLICATE 1
TI	PROCESS FOR THE PREPARATION OF FLUORINATED PRIMARY AND SECONDARY ALCOHOLS			
L4	ANSWER 11 OF 19	JAPIO	(C) 2003 EPO on STN	
TI	PRODUCTION OF ALCOHOL HAVING PRIMARY AND SECONDARY FLUORINES			
L4	ANSWER 12 OF 19	PATDPA	COPYRIGHT 2003 DPMA/FIZ KA on STN FAMILY	1
TI	(CE) Verfahren zur Herstellung von primaeren und sekundaeren fluorhaltigen Alkoholen			
L4	ANSWER 13 OF 19	PATDPA	COPYRIGHT 2003 DPMA/FIZ KA on STN FAMILY	1
TI	(A1) Verfahren zur Herstellung von primaeren und sekundaeren fluorhaltigen Alkoholen			
L4	ANSWER 14 OF 19	PATDPA	COPYRIGHT 2003 DPMA/FIZ KA on STN FAMILY	1
TI	(B1) (A ) Verfahren zur Herstellung von primaeren und sekundaeren fluorhaltigen Alkoholen.			
L4	ANSWER 15 OF 19	PATDPAFULL	COPYRIGHT 2003 DPMA on STN FAMILY	
	DUPLICATE 1			
TI	Verfahren zur Herstellung von primaeren und sekundaeren fluorhaltigen Alkoholen			
L4	ANSWER 16 OF 19	PATOSDE	COPYRIGHT 2003 WILA on STN FAMILY	1
	DEA1 OFFENLEGUNGSSCHRIFT			
TI	Verfahren zur Herstellung von primaeren und sekundaeren fluorhaltigen Alkoholen.			
L4	ANSWER 17 OF 19	PATOSEP	COPYRIGHT 2003 WILA on STN FAMILY	1
	EPA2 EUROPAEISCHE PATENTANMELDUNG			
	EPB1 EUROPAEISCHE PATENTSCHRIFT			
	EPLS LEGAL STATUS			
TIEN	Process for the preparation of fluorinated primary and secondary alcohols.			
TIEN	Process for the preparation of fluorinated primary and secondary alcohols.			
L4	ANSWER 18 OF 19	USPATFULL	FAMILY on STN1	
TI	Process for the preparation of primary and secondary fluorine-containing alcohols			
L4	ANSWER 19 OF 19	WPIDS	COPYRIGHT 2003 THOMSON DERWENT on STN FAMILY	1
TI	Prim. and sec. fluoro-alcohol cpds. prodn. in high yield - by heating alkanol before continuously dosing per fluoro-alkyl-ethylene and free radical initiator.			

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=> d 18

L4 ANSWER 18 OF 19 USPATFULL FAMILY on STN1  
AN 93:57081 USPATFULL  
TI Process for the preparation of primary and secondary fluorine-containing alcohols  
IN Knaup, Wolfgang, Burgkirchen, Germany, Federal Republic of  
PA Hoechst Aktiengesellschaft, Frankfurt am Main, Germany, Federal Republic of (non-U.S. corporation)  
PI US 5227540 19930713  
AI US 1992-919310 19920724 (7)  
PRAI DE 1991-4124807 19910726  
DT Utility  
FS Granted  
LN.CNT 433  
INCL INCLM: 568/842.000  
INCLS: 568/812.000; 568/841.000  
NCL NCLM: 568/842.000  
NCLS: 568/812.000; 568/841.000  
IC [5]  
ICM: C07C031-38  
ICS: C07C031-40  
EXF 568/841; 568/842; 568/812  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s fluoroalkanol and tetrafluoroethylene and radical (3a) (initiator or generator)  
19 FILES SEARCHED...

L5 7 FLUOROALKANOL AND TETRAFLUOROETHYLENE AND RADICAL (3A) (INITIATOR OR GENERATOR)

=> dup rem 15

DUPLICATE IS NOT AVAILABLE IN 'CAOLD, DGENE, DPCI, PCTGEN, RDISCLOSURE, SYNTHLINE'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L5

L6 5 DUP REM L5 (2 DUPLICATES REMOVED)

=> d 1-5 bib ab

L6 ANSWER 1 OF 5 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1325900 EUROPATFULL ED 20030714 EW 200328 FS OS  
TIEN PROCESS FOR PRODUCING FLUOROALKANOL.  
TIDE VERFAHREN ZUR HERSTELLUNG VON FLUORALKANOL.  
TIFR PROCEDE DE PRODUCTION DE FLUOROALCANOL.  
IN TOHMA, Toshihiko, 10, Goikaigan, Ichihara-shi, Chiba 290-8566, JP;  
WADA, Akihiro, 10, Goikaigan, Ichihara-shi, Chiba 290-8566, JP  
PA ASAHI GLASS COMPANY LTD., 12-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo 100-8405, JP  
PAN 242775  
AG Mueller-Bore & Partner Patentanwaelte, Grafinger Strasse 2, 81671 Muenchen, DE  
AGN 100651  
OS MEPA2003053 EP 1325900 A1 0008  
SO Wila-EPZ-2003-H28-T1a  
DT Patent  
LA Anmeldung in Japanisch; Veroeffentlichung in Englisch; Verfahren in Englisch

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DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;  
R IT; R LI; R LU; R MC; R NL; R PT; R SE; R TR; R AL; R LT; R LV; R MK;  
R RO; R SI  
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)  
PI EP 1325900 A1 20030709  
OD 20030709  
AI EP 2001-963450 20010905  
PRAI JP 2000-2000273711 20000908  
RLI WO 01-JP7711 010905 INTAKZ  
WO 02020444 020314 INTPNR  
ABEN A process for producing a fluoroalkanol which can easily be  
industrially practiced with high selectivity, is provided.

CHR.sup1.R.sup2.OH, a radical initiator and  
CF.sub2.=CFR.supf. are continuously supplied and reacted at from 105 to  
135.degree.C, and H-(R.supf.CFCF.sub2.).subn.-CR.sup1.R.sup2.-OH formed,  
is continuously discharged. Here, each of R.sup1. and R.sup2. is a  
hydrogen atom or a C.sub1-3. alkyl group, R.supf. is a fluorine atom or  
a C.sub1-4. polyfluoroalkyl group, and n is an integer of from 1 to 4.

L6 ANSWER 2 OF 5 IFIPAT COPYRIGHT 2003 IFI on STN DUPLICATE 1  
AN 10142492 IFIPAT;IFIUDB;IFICDB  
TI PROCESS FOR PRODUCING A FLUOROALKANOL; REACTING ALKANOL WITH A  
PERFLUOROOLEFIN IN PRESENCE OF RADICAL INITIATOR TO  
PRODUCE FLUOROALKANOL  
INF Tanabe; Koichiro, Ichihara-shi, JP  
Tanaka; Hidemi, Ichihara-shi, JP  
Toma; Tohihiko, Ichihara-shi, JP  
Wada; Akihiro, Ichihara-shi, JP  
Yamagishi; Nobuyuki, Ichihara-shi, JP  
IN Tanabe Koichiro (JP); Tanaka Hidemi (JP); Toma Tohihiko (JP); Wada  
Akihiro (JP); Yamagishi Nobuyuki (JP)  
PAF ASAHI GLASS COMPANY LIMITED, TOKYO, JP  
PA Asahi Glass Co Ltd JP (5608)  
AG OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC FOURTH FLOOR, 1755 JEFFERSON  
DAVIS HIGHWAY, ARLINGTON, VA, 22202, US  
PI US 2002086131 A1 20020704  
AI US 2001-28827 20011228  
PRAI JP 1999-185701 19990630  
FI US 2002086131 20020704  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
CLMN 8  
AB A process for producing a fluoroalkanol of high purity  
containing little evaporation residue, which can be industrially easily  
carried out with high selectivity, is provided. In the process, a radial  
initiator and CF2 horizontalline CFR3 (formula 3) are continuously added  
to CHR1R2-OH (Formula 2) to react them to form H-(CFR3CF2)n-CR1R2-OH  
(formula 1). In the formulae, n is an integer of from 1 to 4, each of R1  
and R2 is a hydrogen atom or a C1-3 alkyl group, and R3 is a fluorine  
atom or a C1-4 perfluoroalkyl group.  
  
L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:185043 CAPLUS  
DN 136:249368  
TI Process for producing fluoroalkanol  
IN Tohma, Toshihiko; Wada, Akihiro  
PA Asahi Glass Company, Limited, Japan  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent

10/205,847

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002020444	A1	20020314	WO 2001-JP7711	20010905
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	JP 2002088001	A2	20020327	JP 2000-273711	20000908
	AU 2001084442	A5	20020322	AU 2001-84442	20010905
	EP 1325900	A1	20030709	EP 2001-963450	20010905
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	JP 2000-273711	A	20000908		
	WO 2001-JP7711	W	20010905		
OS	MARPAT 136:249368				
AB	The title process comprises continuously feeding CHR1R2OH (R1 and R2 each is hydrogen or C1-3 alkyl), a free-radical initiator, and CF2:CFRf (Rf is fluorine or C1-4 polyfluoroalkyl) to a reactor at 105.degree. to 135.degree. and continuously discharging the product H(RfCF2)nCR1R2OH (wherein R1 and R2 each is hydrogen or C1-3 alkyl; Rf is fluorine or C1-4 polyfluoroalkyl; and n is an integer of 1 to 4). Fluoroalkanols are useful as solvents for optical recording materials and as intermediates for surfactants, photog. development materials, etc. The title process for fluoroalkanol prodn. can be industrially carried out with high selectivity. 2,2,3,3-Tetrafluoro-1-propanol (I) was prepd. by the title process with 93% selectivity for I.				
RE.CNT	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L6 ANSWER 4 OF 5 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1191009 EUROPATFULL ED 20020404 EW 200213 FS OS  
TIEN PROCESS FOR PRODUCING FLUOROALKANOL.  
TIDE VERFAHREN ZUR HERSTELLUNG VON FLUORALKANOL.  
TIFR PROCEDE DE PRODUCTION DE FLUOROALCANOL.  
IN WADA, Akihiro, Asahi Glass Company, Limited, 10, Goikaigan, Ichihara-shi, Chiba 290-0058, JP;  
TANAKA, Hidemi, Asahi Glass Company, Limited, 10, Goikaigan, Ichihara-shi, Chiba 290-0058, JP;  
TANABE, Koichiro, Asahi Glass Company, Limited, 10, Goikaigan, Ichihara-shi, Chiba 290-0058, JP;  
YAMAGISHI, Nobuyuki, Asahi Glass Company, Limited, 10, Goikaigan, Ichihara-shi, Chiba 290-0058, JP;  
TOMA, Toshihiko, Asahi Glass Company, Limited, 10, Goikaigan, Ichihara-shi, Chiba 290-0058, JP  
PA ASahi GLASS COMPANY LTD., 12-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo 100-8405, JP  
PAN 242775  
AG Mueller-Bore & Partner Patentanwaelte, Grafinger Strasse 2, 81671 Muenchen, DE  
AGN 100651  
OS BEPA2002027 EP 1191009 A1 0006  
SO Wila-EPZ-2002-H13-T1a  
DT Patent



10/205,847

LA Anmeldung in Japanisch; Veroeffentlichung in Englisch;  
Verfahren in Englisch  
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;  
R IT; R LI; R LU; R MC; R NL; R PT; R SE  
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale Anmeldung)  
PI EP 1191009 A1 20020327  
OD 20020327  
AI EP 2000-942366 20000628  
PRAI JP 1999-185701 19990630  
RLI WO 00-JP4248 000628 INTAKZ  
WO 0102329 010111 INTPNR  
ABEN A process for producing a **fluoroalkanol** of high purity  
containing little evaporation residue, which can be industrially easily  
carried out with high selectivity, is provided. In the process, a radical  
initiator and CF.sub2.=CFR.sup3. (formula 3) are continuously added to  
CHR.sup1.R.sup2.-OH (Formula 2) to react them to form  
H-(CFR.sup3.CF.sub2.).subn.-CR.sup1.R.sup2.-OH (formula 1). In the  
formulae, n is an integer of from 1 to 4, each of R.sup1. and R.sup2. is  
a hydrogen atom or a C.sub1-3. alkyl group, and R.sup3. is a fluorine  
atom or a C.sub1-4. perfluoroalkyl group.

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2  
AN 2001:31437 CAPLUS  
DN 134:85951  
TI Process for producing **fluoroalkanol**  
IN Wada, Akihiro; Tanaka, Hidemi; Tanabe, Koichiro; Yamagishi, Nobuyuki;  
Toma, Toshihiko  
PA Asahi Glass Company, Limited, Japan  
SO PCT Int. Appl., 11 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001002329	A1	20010111	WO 2000-JP4248	20000628
	W: CN, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1191009	A1	20020327	EP 2000-942366	20000628
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 2002086131	A1	20020704	US 2001-28827	20011228
PRAI	JP 1999-185701	A	19990630		
	WO 2000-JP4248	W	20000628		
OS	CASREACT 134:85951; MARPAT 134:85951				
AB	H(CFR3CF2)nCR1R2OH [R1, R2 = H, C1-3 alkyl; R3 = F, C1-4 perfluoroalkyl; n = integer of 1-4], useful as solvents having reduced evapn. residue for dye soln. in making an optical recording layer (no data), are prepd. in high purity and selectivity by continuous addn. of CF2=CFR3 to CHR1R2OH in the presence of a <b>radical initiator</b> . C2F4 was continuously fed to a soln. of MeOH contg. (tert-Bu)2O2 at a fixed rate and 125.degree. to give CHF2CF2CH2OH with 96% selectivity and 22% MeOH conversion, vs. 95% and 6.8%, resp., with a ref. process.				
RE.CNT	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

=> log y  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
172.52	172.73

10/205,847

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.30	-1.30

STN INTERNATIONAL LOGOFF AT 17:32:06 ON 01 AUG 2003